Tiny Bow and Arrows

Kit contains:

- 1 Craft stick
- 2 Q-tips
- Dental floss

You will need: scissors and a bowl of water.

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INSTRUCTIONS

Step 1. Cut 2 tiny notches near each end of your craft stick as indicated. (Total of 4)

Note: If you think you might need help during this step, PLEASE find an adult.

Step 2. Soak your craft stick in water for 60 to 90 minutes.

Step 3. Tie the floss around one end of the craft stick. Wrap it around a few times. Then gently bend the stick into a bow shape. Wrap and tie the other end.

Step 4. Cut one end off of each Q-tip to create your arrows.

Ready, aim, fire! Our arrow flew 24 feet. How far does yours fly?

Note: Your wooden craft stick may warp as it dries. Untie and tighten your floss if needed.

THE ARCHER'S PARADOX

Did you know that archers don't actually aim their arrow straight at the target? This is due to a fascinating phenomenon known as the **Archer's Paradox**.

The front portion of a bow, where the ends of the bowstring are attached, is known as the **bow shaft**. When an arrow is placed adjacent to this shaft, it is deliberately aimed slightly off-target, since the arrow actually straightens out once launched and will end up hitting the target straight on.

Source: https://www.scienceabc.com/sports/draw-back-bow-science-archery.html